

AUG 23 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Mike C. Robinson et al.	Examiner:	Alina A. Boutah
Serial No.:	10/061,619	Group Art Unit:	2143
Filed:	February 1, 2002	Docket No.:	100200201-1
Title:	SECURE INITIALIZATION OF COMMUNICATION WITH A NETWORK RESOURCE		

**DECLARATION OF PRIOR INVENTION UNDER 37 C.F.R. § 1.131**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

This Declaration is submitted to establish prior invention of the subject matter of the present patent application. The persons making this Declaration are the inventors, Mike C. Robinson, Andrew K. Khieu, and Mark C. Lucas.

Accompanying this Declaration are Exhibits A through F to establish conception of the subject matter of the present patent application in the United States prior to the earliest effective date of October 29, 2001 of the Nonoyama et al. U.S. Patent Application Publication No. 2002/0145748 coupled with due diligence from a date prior to the earliest effective date of the Nonoyama Publication up to the filing date of the present patent application (i.e., constructive reduction to practice).

Exhibit A (4 pages) includes an HP Invention Disclosure prepared and submitted by the inventors, Mike C. Robinson, Andrew K. Khieu, and Mark C. Lucas, on October 15, 2001. This invention disclosure entitled "A Secure Method to Initialize Security Information on Network Printer over an Insecure Network Connection by Printing the Security Information" describes subject matter of the present patent application, and was assigned HP Patent Disclosure Number ("PDNO") 100200201.

Exhibit B (1 page) includes a copy of a Patent Evaluation form dated October 19, 2001 as completed for the invention disclosure of inventors, Mike C. Robinson, Andrew K. Khieu, and Mark C. Lucas entitled "A Secure Method to Initialize Security Information on Network Printer over an Insecure Network Connection by Printing the Security Information." The Patent Evaluation form of Exhibit B indicates that the invention disclosure would be reviewed at the next "coordinator meeting."

**Declaration under 37 C.F.R. § 1.131**

Applicant: Mike C. Robinson et al.

Serial No.: 10/061,619

Filed: February 1, 2002

Docket No.: 100200201-1

**Title: SECURE INITIALIZATION OF COMMUNICATION WITH A NETWORK RESOURCE**

Exhibit C (1 page) includes an email of November 09, 2001 informing the inventors that their invention disclosure (HP Patent Docket Number 100200201) was placed in the active disclosure list and would be reviewed at the next Patent Coordinator Meeting for their division. The patent review meetings occur based on the availability of the required attendees and based on there being a sufficient number of invention disclosures available for review.

Exhibit D (3 pages) includes a copy of a letter dated December 18, 2001 from HP Patent Agent David M. Mason to patent attorney James Hao of Wagner, Murabito & Hao requesting a quote of the cost to prepare a US patent application based on HP Invention Disclosure No. 100200201-1 (i.e., the present patent application).

Exhibit E (1 page) includes a Request for Quote and Engagement Letter Agreement for the preparation of a US patent application based on HP Docket No. 100200201-1 (i.e., the present patent application). The agreement was signed by patent attorney James Hao of Wagner, Murabito & Hao on December 21, 2001 and by HP Patent Agent David M. Mason on January 11, 2002 (*possibly incorrectly dated as January 11, 2001*). The signed agreement was then return-faxed to Wagner, Murabito & Hao on January 11, 2002.

During the period between at least January 11, 2002 and February 1, 2002, the patent application for invention disclosure 100200201-1 (i.e., the present patent application) was prepared, and on February 1, 2002 the patent application for invention disclosure 100200201-1 (i.e., the present patent application) was filed.

Exhibit F (1 page) includes a copy of a letter dated February 3, 2002 from Wagner, Murabito & Hao to Hewlett-Packard Co. forwarding copies of the formal documents, specification and formal drawings as filed with the USPTO on February 1, 2002 for HP Ref: 100200201-1.

From these exhibits, it can be seen that the subject matter of the present patent application was conceived in the United States prior to the earliest effective date of October 29, 2001 of the Nonoyama et al. U.S. Patent Application Publication No. 2002/0145748 coupled with due diligence from a date prior to the earliest effective date of the Nonoyama Publication up to the filing date of the present patent application (i.e., constructive reduction to practice).

**Declaration under 37 C.F.R. § 1.131**

Applicant: Mike C. Robinson et al.

Serial No.: 10/061,619

Filed: February 1, 2002

Docket No.: 100200201-1

Title: SECURE INITIALIZATION OF COMMUNICATION WITH A NETWORK RESOURCE

As a person signing below, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Mike C. Robinson

Mike C. Robinson

Date: 8/22/2006Name: Andrew K. Khieu

Andrew K. Khieu



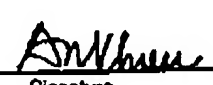

Date: 8/22/2006Name: Mark C. Lucas

Mark C. Lucas

Date: 8/22/2006

EXHIBIT A

Write in Dark Ink on Front Side Only, Please

	<b>INVENTION DISCLOSURE</b>	PAGE ONE OF ____	
PDNO	10200201	DATE RCVD	ATTORNEY
<p><b>Instructions:</b> The information contained in this document is <b>COMPANY CONFIDENTIAL</b> and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.</p>			
<p><b>Descriptive Title of Invention:</b> A secure method to initialize security information on network printer over an insecure network connection by printing the security information.</p>			
<p><b>Name of Project:</b> Carson Project underway at Hewlett-Packard in iIPS Roseville.</p>			
<p><b>Product Name or Number:</b> JetDirect Print Server</p>			
<p>Was a description of the invention published, or are you planning to publish? If so, the date(s) and publication(s): No.</p>			
<p>Was a product including the invention announced, offered for sale, sold, or is such activity proposed? If so, the date(s) and location(s): No, this feature has not been announced. This feature will be available in the January 2002 release of the JetDirect firmware.</p>			
<p>Was the invention disclosed to anyone outside of HP, or will such disclosure occur? If so, the date(s) and name(s): No.</p>			
<p><small>If any of the above situations will occur within 3 months, call your HP attorney or the Legal Department now at 1-888-4819 or 870-898-4819.</small></p>			
<p>Was the invention described in a lab book or other record? If so, please identify (lab book #, etc.) No.</p>			
<p>Was the invention built or tested? If so, the date: No.</p>			
<p>Was this invention made under a government contract? If so, the agency and contract number: No.</p>			
<p><b>Description of Invention:</b> Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).</p>			
<p>A. Description of the construction and operation of the invention (include appropriate schematic, block, &amp; timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)</p>			
<p>B. Advantages of the invention over what has been done before.</p>			
<p>C. Problems solved by the invention.</p>			
<p>D. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.).</p>			
<p><b>Signature of Inventor(s):</b> Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date: { 10/15/2001 }.</p>			
00568471	Mike C. Robinson		785-1630 5665 iIPS Roseville
Employee No.	Name	Signature	Telnet Mailstop Entity & Lab Name
00336043	Andrew Khieu		785-4234 5665 iIPS Roseville
Employee No.	Name	Signature	Telnet Mailstop Entity & Lab Name
00211179	Mark C. Lucas		785-6090 5665 iIPS Roseville
Employee No.	Name	Signature	Telnet Mailstop Entity & Lab Name
Employee No.	Name	Signature	Telnet Mailstop Entity & Lab Name

Form 3.1 idt.doc, rev. 06/03/00

EXHIBIT A

Write in Dark Ink on Front Side Only. Please

INVENTION DISCLOSURE		COMPANY CONFIDENTIAL	PAGE ____ OF ____
Signature of Witness(es): (Please try to obtain the signature of the person(s) to whom invention was first disclosed.)			
The invention was first explained to, and understood by, me (us) on this date: <u>11/1/2001</u>			
Full Name	Signature	Date of Signature	
<u>Shain W. Buz</u>	<u>Shain W. Buz</u>	<u>Nov 1, 2001</u>	
Full Name	Signature	Date of Signature	
<u>Jan C. Wilhelmson</u>	<u>Jan C. Wilhelmson</u>	<u>11/1/2001</u>	
<b>Inventor &amp; Home Address Information:</b> (If more than four inventors, include add. information on a copy of this form & attach to this document)			
Inventor's Full Name			
<u>Mike C. Robinson</u>			
Street			
<u>8872 Water Song Circle</u>			
City	State	Zip	
<u>Reeseville</u>	<u>CA</u>	<u>95747</u>	
Do you have a Residential P.O. Address? P.O. BOX			
No.	City	State	Zip
<u>No.</u>			
Greeted as (nickname, middle name, etc.)		Citizenship	
		<u>U.S.A.</u>	
Inventor's Full Name			
<u>Andrew Khles</u>			
Street			
<u>9866 Beckenham Dr.</u>			
City	State	Zip	
<u>Granite Bay</u>	<u>CA</u>	<u>95746</u>	
Do you have a Residential P.O. Address? P.O. BOX			
No.	City	State	Zip
<u>No.</u>			
Greeted as (nickname, middle name, etc.)		Citizenship	
		<u>U.S.A.</u>	
Inventor's Full Name			
<u>Mark C. Lucas</u>			
Street			
<u>11510 Sun Valley Place</u>			
City	State	Zip	
<u>Auburn</u>	<u>CA</u>	<u>95603</u>	
Do you have a Residential P.O. Address? P.O. BOX			
No.	City	State	Zip
<u>No.</u>			
Greeted as (nickname, middle name, etc.)		Citizenship	
		<u>U.S.A.</u>	
Inventor's Full Name			
Street			
City			
State			
Zip			
Do you have a Residential P.O. Address? P.O. BOX			
City			
State			
Zip			
Greeted as (nickname, middle name, etc.)			
Citizenship			

Form 3.1 id1.doc, rev. 06/03/00

EXHIBIT A

Write in Dark Ink on Front Side Only, Please

Description of Invention: Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).

**A. Description of the construction and operation of the invention (Include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)**

The Security Configuration Print Page provides a secure method of configuring network devices over an insecure network by printing sensitive security information and not transmitting the information across the network. Two technologies initially benefiting from this feature: SNMPv3 initial account generation and 802.11 Access Point Key configuration.

*For generating the initial SNMPv3 account:*

1. Management application contacts a print server and sets an SNMPv3 Security Configuration Print Page object.
2. The print server creates random security parameters and issues a command to print the SNMPv3 Security Configuration Print Page.
3. The user retrieves the SNMPv3 Security Configuration Print Page from the printer.
4. The user inputs the newly created security parameters into the management application.
5. Management application contacts the print server using the new security parameters in an encrypted mode.

*For installing 802.11 Access Point configuration parameters:*

1. Management application contacts a print server in ad hoc mode without encryption and sets an 802.11 Security Configuration Print Page object.
2. The print server creates a random 802.11 Wired Equivalent Privacy (WEP) key and issues a command to print the 802.11 Security Configuration Print Page. The WEP key is used to encrypt transmission in 802.11 ad hoc mode.
3. The user retrieves the 802.11 Security Configuration Print Page from the printer.
4. The user sets their computer's 802.11's configuration to ad hoc mode with the WEP key from the newly created 802.11 Security Configuration Print Page.
5. Management application contacts the print server in add hoc mode with randomly generated WEP encryption obtained from the 802.11 Security Configuration Print Page.
6. The management application contacts a print server and configures the infrastructure mode parameters for the local 802.11 Access Point.
7. The print server restarts in infrastructure mode with the local access point.

**B. Advantages of the invention over what has been done before.**

This feature simplifies the installation of new devices on an insecure LAN when a secure method is required. The ease-of-use during installation of new network devices on a LAN is a valuable feature to HP customers. Likewise, a secure method to configure a network device is desirable. Installation typically becomes a compromise between ease-of-use and security.

Access to a networked device could be compromised through sniffing the network traffic or initializing security parameters with default accounts. Hackers can reverse engineer from default accounts any new accounts or modifications. Devices are even more vulnerable when default security accounts are hard-coded into a device, openly published, or transmitted across the wire or through the air without encryption.

The secure configuration issue came about in regards to initializing an SNMPv3 account on the JetDirect. Initially the JetDirect used SNMPv1 with its community name to manage access to JetDirect. The problem with

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EXHIBIT A

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the community name is that management applications transmit the community name in plain text. Anyone sniffing the wire could discover the "password" used to manage the print server and assume control of the device. Making matters worse, 802.11 wireless networking requires the device to be configured with the 802.11 Access Point key in order for the network interface card to connect to the LAN. This key must not be transmitted in plain text. Anyone sniffing the 802.11 airways could discover the Access Point key and compromise the network security.

**C. Problems solved by the invention.**

The Security Configuration Print Page provides a generic way to provide out-of-band configuration without a device input requirements but using the peripheral's output capabilities. This invention leverages the existing physical interface the JetDirect provides to the printer, without additional hardware or the transmission of sensitive information across an insecure network. The initial SNMPv3 account cannot be reverse engineered, but only through brute force iterative trials. Sensitive information, such as 802.11 Access Point key, will remain secure from snoopers.

**D. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.).**

Prior methods of assigning security information (SNMP, TFTP, TELNET and Embedded Web) transmit sensitive information in plain text across the network. A simple trace at startup, configuration, or any general communication exposes passwords. Only the access control list provides Set access control based on the IP address of the client. The access control list does not prevent spoofing, where a client assumes the IP address of an authorized client. Secure Socket Layer (SSL) web access will be available with the Carson Project, but requiring a customer to use set up SSL first to configure SNMPv3 does not promote ease-of-use. SNMPv3 provides encryption and authentication over the wire. Some network devices provide a point-to-point interface (terminal or USB connector, front panel display, etc.) to configure accounts, or must provide a default user account. Any additional physical interface to the JetDirect is not cost feasible, the front panel is limited and cumbersome, and default user accounts are a security risk. The Security Configuration Print Page option complements, not replaces, these other configuration methods.

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EXHIBIT B

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AUG 23 2006



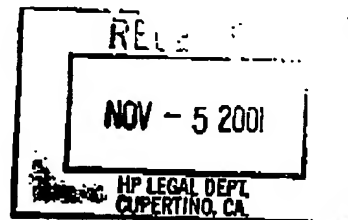
## Patent Evaluation

internet  
IMAGING & PRINTING  
systemsDate: October 19, 2001

Simplistic one line descriptive title of invention:

A secure method to initialize security information on a network printer over an insecure network connection by printing the security information.

Inventor(s):

File  
Mark C. Robinson  
Andrew Khieu  
Mark C. Lucas☒ HP Business  
☐ Non-Redundant  
☐ New WorkExpedite Immediately? ☒ Yes ☐ No  
Meeting date: \_\_\_\_\_ (to be scheduled by Patent Admin.)Review at next coordinator meeting? ☒ Yes ☐ No  
Meeting date: \_\_\_\_\_ (to be scheduled by Patent Admin.)Referred back to inventor(s) for more work? ☐ Yes ☒ XXXX ☐ No

Coordinate with other patent submittal \_\_\_\_\_

award approval? ☒ Yes ☐ No

Evaluated by:

Signature/Mark W. Fidler/iIPS

October 19, 2001  
DateHEWLETT  
PACKARD

Secure\_Initialize\_sec\_info.DOC

10/19/2001



EXHIBIT C

**FLORES,TERRY (HP-Cupertino,ex1)**

---

**From:** LEGAL,IP (HP-PaloAlto,exgen1)  
**Sent:** Friday, November 09, 2001 11:34 AM  
**To:** ROBINSON,MIKE C (HP-PaloAlto,ex1); AARON,ROBERT (HP-Boise,ex1); LUCAS,MARK (HP-Roseville,ex1)  
**Cc:** FLORES,TERRY (HP-Cupertino,ex1)  
**Subject:** Receipt of Invention Disclosure 100200201

\*\*\* Please do NOT reply to this message as the "From" mailbox is NOT monitored. \*\*\*

Thank you for submitting an Invention Disclosure Form entitled: "A Secure Method To Initialize Security Information On Network Printer Over An Insecure Network Connection By Printing The Security Information". We have placed this disclosure in our active disclosure list so that it will be reviewed at our next patent coordinator meeting for your division. After this meeting you will be informed of any decisions reached regarding your disclosure.

Your disclosure has been assigned an HP Patent Docket Number of 100200201. You may call the Legal Department's Intellectual Property section at any time to check on the status of your disclosure using this PD Number.

Again, on behalf of HP, we want to thank you for submitting your invention disclosure. Please bear in mind that you should treat all information about this invention as confidential. Please contact me immediately if you need to disclose this invention outside of Hewlett-Packard Company. Failure to do so may cause forfeiture of HP's patent rights.

Sincerely,

David M. Mason  
Legal Department  
Intellectual Property Section

EXHIBIT D

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AUG 23 2006

Hewlett-Packard Company  
Legal Department - MS: 44118  
19111 Pruneridge Ave.  
Sunnyvale, CA 95014-0691  
www.hp.comDavid M Mason  
PATENT AGENT+1 (408) 447-4046 Tel  
408 447 0854 Fax  
dave\_mason@hp.com

December 18, 2001

James Hao  
Wagner, Murabito & Hao  
Two North Market Street  
Third Floor  
San Jose, CA 95113

RE: Preparation of Patent Application  
Pursuant to Outside Counsel Procedures Dated November 2001  
HP Reference No.: 100200201-1  
Entitled: A Secure Method To Initialize Security Information On Network Printer Over An  
Insecure Network Connection By Printing The Security Information  
**HP Required Date: February 1, 2002**

Dear James:

We would like you to provide a quote of the cost for your firm to prepare a US Patent application based on the HP Invention Disclosure identified above, a copy of which is enclosed.

Your quote should be based on preparing an application including the items noted on the enclosed Outside Counsel Checklist and according to HP's Outside Counsel Procedures referenced above, for filing by our Required Date.

Your quote should be submitted on the enclosed Request for Quote and Engagement Letter Agreement. If your quote is accepted, we will return a fully executed copy of the Agreement to you for your records. **The Agreement will not be binding on you or on HP until signed by HP's authorized representative.**

**If the Agreement is not signed and returned to HP, any bills submitted by you cannot be paid.**

Thank you for your assistance in reviewing this invention disclosure. If your review indicates a possible conflict for your firm, you should advise us within one week of receipt of this letter.

Sincerely,

David M Mason

Enc.: HP Invention Disclosure  
RFQ  
Filing Procedures Checklist

EXHIBIT D

**Request for Quote and Engagement Letter Agreement**

RE: Hewlett-Packard (HP) Docket No.: 100200201-1

Date: December 18, 2001

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☒ This is a request for a quote for the following services:☐ This is a confirmation of your quote for the following services:**PREPARE**☒ Application☐ File with USPTO☐ Response☐ Return to HP for filing☒ Other: YOUR FINISHED PRODUCT TO HP SHOULD INCLUDE ALL ITEMS ON THE ENCLOSED CHECKLIST**HP REQUIRED DATES:**

Date for Receipt by HP

February 1, 2002

Date to be Filed in PTO

HP Attorneys of Record: (to be included on the Declaration)

Customer Number 022879

HP Primary Technical Contact: ALL INVENTORS SEE DISCLOSURE FOR DETAILS

Telephone:

HP Entity:

Address:

**ADDITIONAL TERMS OR INSTRUCTIONS:**

TOTAL PRICE: \_\_\_\_\_ (Including Formal Drawings)

☐ Check here if your quote does not include up to a 2 hr. preliminary patentability search

I agree to the terms of this Agreement including the additional terms above, pursuant to the HP Procedures for Outside Counsel revised November 2001, which I have received and reviewed. This Agreement will not be binding on either party until signed by an authorized representative of HP.

Attorney at your firm handling this matter: \_\_\_\_\_

Wagner, Murabito &amp; Hao

HEWLETT-PACKARD COMPANY

By: \_\_\_\_\_

James Hao

By: \_\_\_\_\_

David M Mason

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

EXHIBIT D

**Filing Procedures Checklist  
For Outside Counsel  
When Filing USPTO Application  
Customer Number 022879**

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AUG 23 2006

HP PDNO: 100200201-1

Date for Receipt by HP:

Your ref. No: \_\_\_\_\_

Date to be Filed in USPTO: February 1, 2002

Outside Counsel is responsible for returning ALL items unless marked by "N/A"

**NEW APPLICATIONS**

- \_\_\_ Request for Quote executed and returned to HP for signature (via FAX or email) within 10 business days
- \_\_\_ Confirmation RFQ received from HP
- \_\_\_ Final draft approved by inventor(s) and HP Responsible Attorney as necessary and submitted to HP
- \_\_\_ Confirmation postcard addressed to HP\*
- \_\_\_ Copy of all filing documents for HP's file within one week from filing date
- \_\_\_ Prepared Transmittal Letter
- \_\_\_ Executed Declaration and Power of Attorney indicating HP as correspondent
- \_\_\_ Original executed Assignment (returned to HP for filing later)
- \_\_\_ Copy of Application on A4 paper according to PCT header and margin requirements
- \_\_\_ Set of Reduced Claims and Abstract with reference numbers for foreign filing
- \_\_\_ Formal drawings according to PCT (Delete EPO) format
- \_\_\_ IDS (if applicable), Form 1449 and copy of cited references
- \_\_\_ Electronic copy of application on diskette or CD (not via email or internet)
- \_\_\_ Electronic copy of drawings as .pdf file on same diskette
- \_\_\_ Copy of transmittal and Declaration faxed to HP on date application mailed to USPTO by O/C
- \_\_\_ Shortest independent claim having 175 words or less
- N/A Prepare Request for Non-US Publication Under 35 U.S.C. 122(b)(2)(B)(i)
- N/A Prepare Request for Early Publication

\*

Hewlett-Packard Company  
Legal Department - MS: 44L18  
19111 Pruneridge Ave.  
Cupertino, CA 95014-0691

12/26/2001 12:45 4099389069

WAGNER, MURABITO HAO

PAGE 03/07

EXHIBIT E

## Request for Quote and Engagement Letter Agreement

RE: Hewlett-Packard (HP) Docket No. 100200201-1

Date: December 18, 2001

- ☒ This is a request for a quote for the following services:  
☐ This is a confirmation of your quote for the following services.

FAXED  
1/11/02

## PREPARE

- ☒ Application ☐ File with USPTO  
☐ Response ☐ Return to HP for filing  
☒ Other: YOUR FINISHED PRODUCT TO HP SHOULD INCLUDE ALL ITEMS ON THE ENCLOSED CHECKLIST

## HP REQUIRED DATES:

Date for Receipt by HP

February 1, 2002

Date to be Filed in PTO

HP Attorneys of Record: (to be included on the Declaration)

Customer Number 022879

HP Primary Technical Contact: ALL INVENTORS SEE DISCLOSURE FOR DETAILS

Telephone:

HP Entry:

Address:

## ADDITIONAL TERMS OR INSTRUCTIONS:

TOTAL PRICE: [REDACTED] (Including Formal Drawings)

Check here if your quote does not include up to a 2 hr. preliminary patentability search

I agree to the terms of this Agreement including the additional terms above, pursuant to the HP Procedures for Outside Counsel revised November 2001, which I have received and reviewed. This Agreement will not be binding on either party until signed by an authorized representative of HP.

Attorney at your firm handling this matter:

By: James Hao  
Wagner, Murabito & Hao

By: David M Mason  
HEWLETT-PACKARD COMPANY

Dated: 12/21/01Dated: 1/11/02

EXHIBIT F

JAMES P. HAO  
 ANTHONY C. MURABITO  
 JOHN P. WAGNER, JR.  
 GLENN D. BARNES  
 MATTHEW J. BLECHER  
 THOMAS M. CATALE  
 JOSE S. GARCIA  
 KENNETH GLASS  
 LAWRENCE R. GOERKE  
 MICHAEL R. HARDAWAY  
 LIN C. HSU  
 IRA J. NASSERIAN

RONALD M. POMERANCE  
 JOHN F. RYAN  
 M. DEAN MATTHEWS  
 WILLIAM A. ZARBIS  
 NEAL A. OSBORN  
 DAVID J. REIMLER  
 CAROLINE W. SMITH  
 ARTHUR M. TONSAGER, III  
 JOEL D. YOUNGS  
 \* PATENT AGENT  
 \*\* PATENT ENGINEER

WAGNER  
 MURABITO  
 & HAO LLP  
 PATENT ATTORNEYS

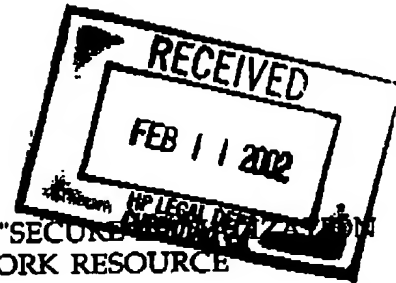
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AUG 23 2006

TWO NORTH MARKET STREET  
 THIRD FLOOR  
 SAN JOSE, CALIFORNIA 95113  
 TELEPHONE: (408) 938-9000  
 FACSIMILE: (408) 938-9069  
[www.wmhpatents.com](http://www.wmhpatents.com)

February 3, 2002

IP Administration  
 Legal Department, M/S 35  
 HEWLETT-PACKARD CO.  
 P.O. Box 272400  
 Fort Collins, CO 80527-2400



Re: United States Patent Application entitled "SECURE  
 OF COMMUNICATION WITH A NETWORK RESOURCE"

Your Ref: 100200201-1  
 Our Ref: HP-100200201-1

Dear Sir/Madam :

Enclosed please find copies of the formal documents, specification and formal drawings as filed by our office with the USPTO on February 1, 2002. Please also find an electronic copy of the filed application in Word and PDF format, the set of claims with reference numbers for filing in Europe and the annotated abstract.

We appreciate the opportunity to provide services to you and Hewlett Packard Company. If you have any questions or comments, please feel free to contact us.

Sincerely Yours,

WAGNER, MURABITO &amp; HAO LLP

*Desiree Caldwell*  
 Desiree Caldwell

encl.